

PROCEEDINGS OF THE NEW YORK ENTOMOLOGICAL SOCIETY.

MEETING OF OCTOBER 16, 1900.

Held at the residence of Mr. Chas. Palm, 172 E. 64th St. Vice-President Palm in the chair. Nine members and two visitors present. Mr. Joutel acted as recording secretary *pro tem.* in absence of Mr. Shaeffer.

Mr. E. P. Felt was proposed for corresponding membership by Mr. Joutel.

Mr. Chas. Palm exhibited some rare coleoptera from Arizona, collected by Dr. Kunze, amongst which were *Cychrus snowii*, from the Pima Mountains, *Melanophila mirandi*, *Plusiotis gloriosa*, *P. lecontei*, *P. woodii*, *Chalcolepidius smaragdinus*, *C. tartaricus*, *C. behrensii*, *C. webbi*, *Xyloryctes faunus*. He also showed an intermediate form of *Dynastes tityus* and *grantii*. After discussion and informal meeting, adjournment.

MEETING OF OCTOBER 20, 1900.

Held at the residence of Mr. S. Beyer, 511 E. 117th St. President Beutenmüller in the chair. Ten members present.

The treasurer was authorized to deposit in the savings bank such money as he deemed advisable to put out on interest. Mr. E. P. Felt was elected a corresponding member of the Society. On motion it was decided to have an outing on December 1st and 2d to the Ramapo Mountains. Mr. Weeks reported the death of Rev. George D. Hulst, and upon motion Messrs. Beutenmüller and Weeks were appointed as a committee to draft resolutions on the death of Dr. Hulst. Mr. Schaeffer exhibited a series of *Callichroma splendida*, from the usual green to the entirely blue forms. Mr. Beyer then showed part of his collection, calling attention to his latest captures from Florida, Montana and North Carolina. His collection contains many fine series of *Cychorus*, viz.: *C. guyotii*, *C. andrewsii*, *C. ridingsii*, *C. stenostomus* var. *bicarinatus*, *C. canadensis*, *C. viduus*, *C. elevatus* var. *heros* and *C. hemphillii*.

MEETING OF DECEMBER 4, 1900.

Held at the American Museum of Natural History. President Beutenmüller in the chair. Eight members present.

Mr. F. D. Watson, was proposed for active membership by Mr. Joutel.

Mr. Beutenmüller showed an example of *Papilio merope* var. *cenca* which mimics the female of *Diadema misippus*.

Mr. Barber spoke on a collection of Coleoptera taken at Cold Spring Harbor, L. I.

Messrs. Beutenmüller and Weeks having been appointed a committee at the last, meeting of the Society, to draft a fitting memorial regarding the death of Rev. Dr. Geo. D. Hulst, presented the following resolutions:

Resolved, That by the death of the Rev. Dr. George D. Hulst, a member of this Society, this community has lost a true educator, a keen and enthusiastic scientist and an estimable and worthy citizen, his congregation a faithful and earnest pastor, the unfortunate a genuine comforter and alleviator, his family a beloved husband and father, and we a valued associate and friend.

Resolved, That we sincerely mourn for the bright and genial companion, the pleasing and sympathetic instructor, the ever-ready and attractive speaker, the industrious and intelligent student, the man, valiant for the right yet modest and unassuming, by foes respected and admired, by friends honored and esteemed.

Resolved, That we deeply regret his sudden and untimely departure in the meridian of his experience and powers, while his master hand was on the key, alert to complete his self-allotted tasks in the solution of those problems of nature to which he had devoted so large a portion of his abounding talents and energies.

Resolved, That these resolutions be inserted in the minutes of the Society and a copy thereof sent to the family of the deceased.

MEETING OF DECEMBER 18, 1900.

Held at the American Museum of Natural History. In absence of the President and Vice-President, Mr. L. H. Joutel was elected as chairman *pro tem*. Twelve members present.

Mr. F. D. Watson was elected an active member of the Society.

Mr. Kearfott and Dr. Love were appointed as a committee to nominate officers for the year 1901.

Mr. Schaeffer exhibited a number of Coleoptera collected in the vicinity of New York: *Melasis pectinicornis*, *Deltometopus rufipes*, *Entomophthalmus rufiolus*, *Microrrhagus subsinuatus*, *M. humeralus*, *M. audax*, *Hypocælus frontosus*, and *Schizophilus subrufus*. He also spoke on the different way of collecting. The species referred to live in dead branches, generally oak.

After discussion adjournment.

MEETING OF JANUARY 15, 1901.

Held at the American Museum of Natural History. President Beutenmüller in the chair. Nine members present.

The treasurer presented his report on the finances of the Society for the year 1900, which was accepted, and referred to the auditing committee. The following officers were elected for the year 1901: President, Wm. Beutenmüller; Vice-President, Wm. D. Kearfott; Treasurer, L. H. Joutel; Recording Secretary, Chas. Schaeffer; Corresponding Secretary, C. F. Groth; Executive Committee, Chas. Palm, H. Hug, C. F. Groth, R. Ottolengui, O. Seifert; Publication Committee, Wm. Beutenmüller, L. H. Joutel, Chas. Schaeffer and Chas. Palm.

Mr. Kearfott extended an invitation to the members to meet in his house at Montclair, N. J., on January 27th, to examine his large collection of Lepidoptera. After a general discussion, adjournment.

MEETING OF FEBRUARY 5, 1901.

Held at the American Museum of Natural History. President Beutenmüller in the chair. Nine members present.

The resignations of Messrs. E. Shoemaker and Ernest J. Munch were read and accepted.

Mr. L. Krüger, of Stettin, Germany, was proposed for corresponding membership by Mr. Beutenmüller.

Mr. Schaeffer exhibited the species of *Trechus*, among which was a new species collected on Mt. Mitchell, western North Carolina, by Mr. Beutenmüller. The differences between the species were pointed out, also the more salient characters of the new species. Mr. Beutenmüller spoke on the habits of *Trechus hydropicus* and the new species, both of which he stated lived in deep damp moss and were obtained by sifting.

MEETING OF FEBRUARY 18, 1901.

Held at the residence of Mr. C. F. Groth, 139 E. 40th St. President Beutenmüller in the chair. Fourteen members present.

Mr. L. Krüger, proposed at a previous meeting, was elected a corresponding member.

On motion it was decided that the JOURNAL shall not be sent to members in the arrears with their dues for one year.

Mr. Groth exhibited his collection of insect architecture.

The president appointed the following committees: Field Committee, Wm. D. Kearfott, and Dr. E. G. Love. Auditing Committee: H. G. Barber, O. Seifert, and Chas. Palm. Delegates to the Scientific Alliance, Dr. E. G. Love and C. F. Groth and the president by the constitutions of the Alliance.

The death of Mr. Frederick Clarkson, a member of this society was announced by Mr. Groth, and upon motion Mr. A. C. Weeks was asked to draft proper resolutions on the death of our fellow member, whereupon Mr. Weeks presented the following:

Resolved, That we, the members of this Society, sincerely regret the death of our associate and realize that thereby we have lost a worthy member, a genial and courteous companion and a respected and valued friend.

Resolved, That these resolutions be entered in our minutes and a copy thereof transmitted to the family of the deceased.

After a social and informal meeting, adjournment.

MEETING OF MARCH 5, 1900.

Held at the American Museum of Natural History. Dr. Love in the chair, *pro tem*. Eleven members present.

The following motions were made and accepted: (1) That a sum not exceeding three dollars be appropriated to defray the expenses of each social meeting held at a member's house. (2) That this Society shall hold a subscription dinner on April 17th, provided a sufficient number of members and their friends participate, and the arrangements for the dinner be left in the hands of Mr. Chas. Palm. (3) That a certificate of membership be prepared. (4) That a circular soliciting new members and subscribers to the JOURNAL be issued at the expense of the Society.

Mr. Watson showed an interesting aberration of *Pamphila hobomok* taken in Van Courtlandt Park, N. Y. The upper left-hand side of the specimen was the normal dimorphic female, *pocohontas*, while the right-hand side showed the yellow markings of *hobomok*. The under side was entirely abnormal, being a mixture of *hobomok* and var. *pocohontas*; the markings are not symmetrical, the left side being entirely different from the right.

Mr. Schaeffer exhibited the following rare Coleoptera taken in the vicinity of New York. *Sphaeridium scarabæoides*, taken in West Farms. He stated that Dr. Horn had omitted this European species from our fauna, in his paper on *Sphaeridium*, but that other specimens had been taken in Wisconsin and Canada, and that the species should be included in our lists. *Dicranopselaphus variegatus*, taken by sweeping low plants; *Crosinus obesulus* taken by sifting old leaves at Greenwood Lake, N. J., in June. *Cerophytum pulsator*, from Fort Lee, N. J., *Europs pallipennis*, from buds of hickory in Mosholu, *Phyllobrotica discoidea*, taken in number at Arlington, N. J., by sweeping in meadows; this is the first record of its occurrence in New Jersey. *Cassida nebulosa* was taken by Dr. Love and Mr. Münch at Suffern, N. Y.; as compared with the European form of this species, they are smaller but otherwise seem to agree very well. *Rhinosinus œneipennis* was taken in the Highlands, N. J., by beating oak branches and *Stephanocleonus plumbeus* taken in Mosholu under stones.

MEETING OF MARCH 19, 1901.

Held at the residence of Mr. Beutenmüller, 106 W. 133 St. Ten members present.

Mr. Palm proposed that the subscription dinner of the society be held at the Arion Hall, 59th St. and 4th Ave. He stated that a sufficient number of members had subscribed to make the affair a success.

Mr. Beutenmüller showed a large series of lantern slides, illustrating mimicry, protective coloration and life histories of many species of Lepidoptera. He also showed by means of a lantern a series of slides of views taken in the Black Mountains in western North Carolina. After informal meeting, adjournment.

MEETING OF APRIL 2, 1901.

Held at the American Museum of Natural History. President Beutenmüller in the chair. Eleven members present.

Mr. Kearfott reported on the proposed field meetings of the Society, viz.:

April 14th Mountclair, N. J.; May 4-5, Suffern, N. Y.; May 18-19, Greenwood Lake, N. J.; May 30 to June 1, Ramapo, N. Y.; June 15-16, Lake Hopatcong, N. J.; June 21-23, Anglesea, N. J. Members of the Brooklyn and Newark Entomological Societies were cordially invited to attend these meetings. Mr. Schaeffer recorded the occurrence of *Aphodius longulus* taken by Mr. Beutenmüller at Fort Lee, N. J. The specimen was dug out of a decaying chestnut stump where it probably hibernated. He also showed a specimen of *Trechus barbaræ*. Mr. Beutenmüller, spoke on some Pacific coast species of *Catocala*. He stated that a supposed type of *C. mariana* Hy. Edw., in the Strecker collection was identical with *C. californica* and that the true types of *mariana* in the Hy. Edwards collection was an entirely different insect. He also showed a series of *Catocala* from Lake Tahoe, Sierra Nevada, Calif., which he was unable to identify. After discussion, adjournment.

MEETING OF APRIL 16, 1901.

Held at the residence of Mr. Chas. Palm. In the absence of the President and Vice-President, Mr. Palm was elected chairman, *pro tem*. Eight members present.

No business was transacted and the entire evening was devoted to informal discussions, on collecting grounds and inspecting beetles exhibited by Mr. Palm.

MEETING OF MAY 7, 1901.

Held at the American Museum of Natural History. Seven members present.

Mr. Beutenmuller proposed Messrs. Thomas O'Connor and E. Irving Huntington, both of New York, for active membership.

Mr. Beutenmuller recommended that the sum of \$25.00 be appropriated for the purpose of soliciting members for the society. On motion this sum was allotted for this purpose. The following amendment to the by-laws was offered: That III, section 4, should read as follows: Any person may, by the payment of fifty dollars in lieu of annual dues, become a life-member, in payment of one hundred dollars become a patron and in payment of five hundred dollars become a patron.

Mr. Beutenmuller spoke on the introduction of the Chinese Mantid, *Tenodera sinensis* at Mt. Airy, Pa. He stated while on a visit to Mr. Laurent at that place, he had picked off a tree an egg-mass of this species, which very much resembles a cocoon of *Telea polyphemus*. He further stated that Mr. Laurent had subsequently found the egg-masses in abundance. Mr. Beutenmuller also stated that he had liberated over one hundred young *T. sinensis* at Fort Lee, N. J., and that he had failed to raise them in captivity, owing to the want of proper food.

The following Lepidoptera, presented by Mrs. Slosson, and to be sold at auction for the benefit of the JOURNAL, were exhibited. *Anæa portia*, *Eunica tatila*, *Eudamus zestos*, *E. bataviano*, *Pamphila ethlius*, *Thecla martialis*, *Pergesia thorates*, *Sphinx canadensis*, *Dilophonota caicus*, *Cautethia grotei*, *Alypia zwitfeldii*, *Burtia belæ*, *Compositia fidelissima*, *Syntomia epilaïs*, *Euchutes abdominalis*, *Scepsis edwardsii*, *Euhalisidota longa*, *Halisidota cinctipes*, *Ecpantheria scribonia* var. *denudata*, *Lagoa pyxidi-fera*, *Lagoa opercularis*, *Hypercheria lilith*, *Hypa-pax auristriata*, etc.

On motion of Mr. A. C. Weeks a vote of thanks was extended to Mrs. Slosson for her generous donation.

Mr. A. C. Weeks read the following paper: "Suggestions for Collecting Insects with Least Injury." The true collector studied to preserve his captures as perfectly as possible. The more perfect a specimen the more valuable and attractive was it for cabinet purposes as well as more capable of accurate identification. Lepidoptera by reason of their fragility required more care than insects of other orders. The principal situations of capture were in the field, at light or sugar and when bred. In the field he recommended the use of one jar for killing and any other jar for storing, in which the specimens folded in paper could be packed. Among these papered specimens any of those of the other orders unpapered could be placed after killing. This method seemed on the whole preferable to the use of collecting boxes which were objectionable on account of inaccuracy in pinning, exposure to injury and liability of insect to revive, besides being cumbersome to carry, while on the other hand specimens in stone jars could be pinned with care or relaxed at leisure, were never exposed to light or air currents and could not revive. The storing jar answered a double purpose, not only for storing, but if required, of killing as well—also insects papered and firmly secured in stone jars relieved the collector from any solicitation as to his movements. At light and sugar, where numbers of insects were taken in rapid succession and papering was impossible or inconvenient, it would be found advisable to have large storing jars stationed at short intervals into which the captures could be transferred. Separate jars should be carried for larger specimens and those likely to cause injury by their spiny

legs in struggling to escape. Those bred, if diurnals, should be kept in absolute darkness, if nocturnals, in as much light as possible, but not sunlight glare, to prevent fluttering. Large Lepidoptera such as *A. archippus* could be carried safely in a jar without paper by wedging, *i. e.*, after covering the bottom of the jar with as many as could be placed upright with wings folded, additional specimens with wings likewise folded could be inserted in an upright position between two adjacent wings of different specimens, the insect to be inserted being held by tweezers and the separation effected by a thin blade. To remove the specimens they should be tapped, and not lifted, out. Insects of other orders should not be introduced among lepidoptera thus packed. Coleoptera and Hemiptera should be collected in jars half filled with well-crumpled tissue paper, but not cotton. Beetles with a fine bloom or pubescence should be wrapped in paper to prevent marring. If the collecting be general, the killing jar need have no lining except blotting paper, fitted accurately, and all captures might be transferred to the stone jar containing the papered Lepidoptera and Coleoptera. Neuroptera on account of the fragile character of their bodies and rOthoptera on account of their spiny legs and secretions should be stored separately in jars half-filled with crumpled tissue paper. All captures should be transferred from the storing jars to a relaxing vessel as speedily as possible and no mounting should be done until at least one day's relaxation had been allowed.

MEETING OF MAY 21, 1901.

Held at the American Museum of Natural History. President Beutenmüller in the chair. Seven members present.

Messrs. Thomas D. O'Connor and E. Irving Huntington, proposed at a previous meeting, were elected active members of the Society.

Mr. Palm presented a bill for extra expenses incurred by the dinner held by the Society, April 17th, and upon motion the Treasurer was authorized to pay the same.

Dr. Love reported on the good progress made by the Scientific Alliance towards a building for the societies. He also spoke on the advisability of our Society of holding one meeting a month, but no action was taken.

Mr. Schaeffer made some remarks on the species of *Omophron*, illustrated by specimens.

Mr. Beutenmüller exhibited progressive proofs of plates on food-habits of North American Sesiidae and a copy of the complete work, which he said would be issued in a few days. He also spoke on a monograph of the genus *Catocala* which he was now preparing and exhibited colored drawings of the black-winged species.

Mr. Barber showed some Coleoptera bred from hickory and sumac.